

Product datasheet

SRD5A2 peptide (2-13) ab45681

Overview

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**Product name** SRD5A2 peptide (2-13)

Description

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**Nature** Synthetic

Amino Acid Sequence

**Species** Human

**Sequence** QVQCQQSPVLG

**Amino acids** 2 to 13

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab45681** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Blocking - Blocking peptide for Anti-SRD5A2 antibody ([ab27469](#))

**Form** Liquid

Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

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**Function** Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.

**Tissue specificity** Expressed in high levels in the prostate and many other androgen-sensitive tissues.

**Involvement in disease** Defects in SRD5A2 are the cause of pseudovaginal perineoscrotal hypospadias (PPSH) [MIM:264600]. A form of male pseudohermaphroditism in which 46,XY males show ambiguous genitalia at birth, including perineal hypospadias and a blind perineal pouch, and develop masculinization at puberty. The name of the disorder stems from the finding of a blind-ending perineal opening resembling a vagina and a severely hypospadiac penis with the urethra

opening onto the perineum.

**Sequence similarities**

Belongs to the steroid 5-alpha reductase family.

**Cellular localization**

Microsome membrane. Endoplasmic reticulum membrane.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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